



Publication Date: November 2020

# ArcGIS Field Maps

## Migration Guide

Essential tasks for migrating your organization from Collector, Explorer, and Tracker to ArcGIS Field Maps.



# Overview

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# 1. Welcome to ArcGIS Field Maps

ArcGIS Field Maps combines the capabilities of ArcGIS Collector, ArcGIS Explorer, and ArcGIS Tracker into a single mobile solution. With Field Maps, mobile workers can collect data, mark up maps, and track their location—all from one app. Field Maps empowers mobile workers to take their maps anywhere, including offline and indoors—and it allows you to deploy maps and content to a single app. If you are an existing user of Collector, Explorer, or Tracker, the migration to Field Maps is built into its design.

Maps that are available in Collector and Explorer, aside from those that were downloaded or copied directly onto a device, will automatically appear in Field Maps. Mobile workers that have location tracking enabled will be able to turn location tracking on and off and view their tracks in Field Maps just as they would in Tracker.

The migration from Collector, Explorer, and Tracker is designed to be a smooth transition, and this guide will teach you everything you need to know to successfully migrate your field workflows to Field Maps.

## Key benefits of migrating to Field Maps

Field Maps offers an enhanced field experience by combining the capabilities of Collector, Explorer, and Tracker in one app.

- **One app:** Mobile workers using Collector, Explorer, and Tracker can use one app to complete their workflows.
- **Sign in once:** Mobile workers save time in the field by signing in to one app to collect data, mark up maps, and track their location.
- **Download maps once:** Mobile workers save space on their device by downloading maps for one app.

## Key features of Field Maps

Field Maps contains the following features from Collector, Explorer, and Tracker. Click one of the following to learn more:

- [Platforms](#)
- [Sign in](#)
- [Map support](#)
- [Offline capabilities](#)
- [Map viewing](#)
- [Map markup](#)
- [Data collection](#)
- [Location tracking](#)

<b>Platforms</b>	<b>Field Maps</b>	<b>Collector</b>	<b>Explorer</b>	<b>Tracker</b>
iOS	x	x	x	x
Android	x	x	x	x
Windows		x	x	

<b>Sign in</b>	<b>Field Maps</b>	<b>Collector</b>	<b>Explorer</b>	<b>Tracker</b>
ArcGIS Online	x	x	x	x
ArcGIS Enterprise 10.6.1 and later	x*	x	x	x
Social Logins	x	x	x	x
Multi-factor authentication	x	x	x	x
Web Tier (PKI, IWA, LDAP)	x	x	x	x
Anonymous Access	x		x	

*\*If using ArcGIS Enterprise 10.8 or earlier, you must register the ArcGIS Field Maps app ID.*

<b>Map support</b>	<b>Field Maps</b>	<b>Collector</b>	<b>Explorer</b>	<b>Tracker</b>
Web maps	x	x	x	
Mobile map packages	x		x	
Side-loaded basemaps (tpk, vtpk)	x	x	x	

<b>Offline capabilities</b>	<b>Field Maps</b>	<b>Collector</b>	<b>Explorer</b>	<b>Tracker</b>
Offline map viewing and query	x	x	x	
Define map areas in ArcGIS Online and ArcGIS Enterprise	x	x	x	
Define map areas in the app	x	x	x	
Sync	x	x	x	x
Auto-sync	x	x	x	x
Map package support	x		x	

<b>Map viewing</b>	<b>Field Maps</b>	<b>Collector</b>	<b>Explorer</b>	<b>Tracker</b>
Integrated GPS	x	x	x	x
External GPS	x	x		
Motion/Activity detection	x			x
GPS Display (blue dot with accuracy ring)	x	x	x	x
GPS Display (details of accuracy)	x	x		
Coordinate/Geocode search	x	x	x	
Feature search	x	x	x	
Map rotation	x	x	x	
Switch basemaps	x	x	x	
Bookmarks	x	x	x	
My Places	x	x	x	
Layers (Set visibility)	x	x	x	
Measure (distances/areas)	x	x	x	
Switch between US Standard and metric measurements	x	x		
Legend	x	x	x	
View Pop-ups	x	x	x	
Attribute Expressions in Pop-ups	x	x	x	
Custom popups	x	x	x	
Compass directions	x	x	x	
Driving directions	x	x	x	
View location history	x			x
Coordinate units (DMS, USNG, UTM, etc.)	x	x	x	x
Distance and Area units	x	x	x	

<b>Map Markup</b>	<b>Field Maps</b>	<b>Collector</b>	<b>Explorer</b>	<b>Tracker</b>
Markup layers	x		x	
Place Marker points	x		x	
Place arrows	x		x	
Sketch lines and areas	x		x	
Move markers and sketches	x		x	
Shape recognition of sketches	x		x	
Share markup (AirDrop/text/email)	x		x	
Share markup (ArcGIS organization)	x		x	
Share screenshot (AirDrop/text/email)	x		x	

<b>Data Collection</b>	<b>Field Maps</b>	<b>Collector</b>	<b>Explorer</b>	<b>Tracker</b>
Point collection	x	x		
Line/Area Collection	x	x		
GPS vertex collection	x	x		
GPS averaging	x	x		
GPS streaming	x	x		
External GPS receiver support	x	x		
Support for Real-time corrections	x	x		
GPS accuracy threshold/warnings	x	x		
GPS metadata capture	x	x		
Snapping	x	x		
Multi-feature editing	x	x		
Pop-up editing	x	x		
Capture photos/videos/audio recordings	x	x		
Form editing	x			
Required fields	x	x		
Groups	x	x		
Conditional visibility	x	x		
Relationship-class editing	x	x		
Offset collection	x (partner)	x (partner)		

<b>Location Tracking</b>	<b>Field Maps</b>	<b>Collector</b>	<b>Explorer</b>	<b>Tracker</b>
Track locations offline	x			x
Start tracking	x			x
Stop tracking	x			x
View current location	x			x
View location history	x			x
View location details	x			x

## Coming soon– ArcGIS Field Maps web app

A companion web app for Field Maps is planned to release in Q4 of 2020. It enhances the way you prepare maps for the field with a drag and drop form builder, an improved offline experience, the ability to manage feature templates, and more.

This guide will be updated once the Field Maps web app is released. Learn more and test the public beta today by joining the [Early Adopter Program](#).

## 2. Account requirements

The user types and licenses required to use Collector, Explorer, and Tracker translate to using the same capabilities in Field Maps.

App	Capability	Requirement	User type
Collector, Explorer	View public maps	Not required	Not required
Collector, Explorer	View maps	ArcGIS Account	Any user type
Collector, Explorer	Create maps	ArcGIS Account	Creator, GIS Professional
Collector	Collect data	ArcGIS Account	Field Worker, Creator, GIS Professional Editor (add-on)
Tracker	Track your location	ArcGIS Tracker license	Any user type

**View public maps**—Web maps and MMPKs that have been shared publicly can be viewed in Field Maps without signing in.

**View maps in your organization**— To view your organization’s maps in Field Maps, you must have an ArcGIS Account.

**Create maps**—To create maps in ArcGIS Online, ArcGIS Enterprise, or ArcGIS Pro for use in Field Maps, you must have an ArcGIS Account with a Creator or GIS Professional user type.

**Collect data**—To collect data in Field Maps, mobile workers must have a Field Worker, Creator, or GIS Professional user type. An Editor user type with an add-on license for Collector can also collect data.

**Track your location**—To track your location in Field Maps, you must have an ArcGIS Tracker license. This license is available as an add-on for all user types.

See [ArcGIS account requirements](#) for more information.

## 3. Migrate from Collector

You can do everything in Field Maps that you currently do in Collector, and now you can use markup to take notes on your maps. The capabilities you have access to in the app depend on the licenses you have—See [Account requirements](#) for details.

### Migrate your maps

Maps that are available to you for use in Collector, aside from those that were downloaded or copied directly onto a device, will automatically appear in Field Maps. If you already have basemaps stored on a device for use in Collector, do the following to make them available in Field Maps.

#### Migrate a basemap

##### *Android devices*

1. Find the basemap you want to use in Field Maps.  
Use the file browsing app on the device to browse to the `\Android\data\com.esri.collector\files\basemaps` folder in the internal storage or SD card.
2. Copy or move the basemap to the `\Android\data\com.esri.fieldmaps\files\basemaps` folder.

##### *iOS devices*

1. Find the basemap you want to use in Field Maps.  
Use the file browsing app on the device to browse to the `\Android\data\com.esri.collector\files\basemaps` folder in the internal storage or SD card.
2. Copy or move the basemap to the `\Android\data\com.esri.fieldmaps\files\basemaps` folder.

See the following for more information:

- To learn more about using the Files app—[Apple Support for details on using the Files app on your device](#).
- To learn more about downloading maps—[Prepare maps for download](#) and [Download maps](#).

## Work with maps

You collect data in Field Maps the same way you do in Collector. You can browse or search for maps in the **Maps list**, tap on map cards to open or download maps, and collect data using the **Map and panel**. You can also use the **Markup** tools to annotate maps.

*Note: Control the maps your mobile workers see in the **Maps list** with the [Use in ArcGIS Field Maps Mobile](#) setting.*

For more information, see the following:

- [Quick reference](#)
- [Collect data](#)
- [Markup](#)
- [Requirements](#)

## 4. Migrate from Explorer

You can do everything in Field Maps that you currently do in Explorer, with a few new functions in the mix. In addition to the capabilities you use in Explorer, Field Maps allows you to use an external GPS receiver, display GPS accuracy details, and access data collection and tracking capabilities. The capabilities you have access to in the app depend on the licenses you have—See [Account requirements](#) for details.

### Migrate your maps

Maps that are available to you for use in Explorer, aside from those that were downloaded or copied directly onto a device, will automatically appear in Field Maps. If you already have mobile map packages (MMPKs) or basemaps stored on a device for use in Explorer, do the following to make them available in Field Maps.

#### Android devices

##### *Migrate a map*

1. Find the map you want to use in Field Maps.  
Use the file browsing app on the device to browse to the `\Android\data\com.esri.explorer\files\mappackages` folder in the internal storage or SD card.
2. Copy or move the map to the `\Android\data\com.esri.fieldmaps\files\mappackages` folder.

##### *Migrate a basemap*

1. Find the basemap you want to use in Field Maps.  
Use the file browsing app on the device to browse to the `\Android\data\com.esri.explorer\files\basemaps` folder in the internal storage or SD card.
2. Copy or move the basemap to the `\Android\data\com.esri.fieldmaps\files\basemaps` folder.

## iOS devices

### *Migrate a map*

1. Find the map you want to use in Field Maps.  
Use the Files app to browse to the Explorer\`<username@unique identifier>`\MMPKS folder.
2. Copy or move the map to the Field Maps\`<username@unique identifier>`\mappackages folder.

### *Migrate a basemap*

1. Find the basemap you want to use in Field Maps.  
Use the file browsing app on the device to browse to the `\Android\data\com.esri.explorer\files\basemaps` folder in the internal storage or SD card.
2. Copy or move the basemap to the `\Android\data\com.esri.fieldmaps\files\basemaps` folder.

See the following for more information:

- To learn more about using the Files app—[Apple Support for details on using the Files app on your device](#).
- To learn more about downloading maps—[Prepare maps for download](#) and [Download maps](#).

## Work with maps

You work with maps in Field Maps the same way you do in Explorer. You can browse or search for maps in the **Maps list**, tap on map cards to open or download maps, and work with maps using the **Map and panel**. You can use the **Markup** tools to annotate maps, view GPS accuracy information in the **GPS banner**, and you can collect data and track your location on the map with the appropriate [licenses](#).

*Note:* Control the maps your mobile workers see in the **Maps list** with the [Use in ArcGIS Field Maps Mobile](#) setting.

For more information, see the following:

- [Quick reference](#)
- [Collect data](#)
- [Track mobile workers](#)
- [Markup](#)
- [High accuracy data collection](#)
- [Requirements](#)

**Limitation:** ArcGIS Field Maps is not available on Windows devices.

## 5. Migrate from Tracker

Just like Tracker, Field Maps allows you to record where mobile workers are and where they have been. The main difference in Field Maps is how mobile workers interact with tracking capabilities in the mobile app. The Track Viewer web app is still used for creating track views and viewing tracks.

### Enable location tracking

Location tracking is an organization-wide capability and is handled the same way in Field Maps as it is in Tracker. Members of your organization who have the ArcGIS Tracker license will have the option to track their location and view their tracks in Field Maps.

For more information, see [Enable location tracking](#).

### Turn location tracking on and off

Mobile workers turn location tracking on and off in Field Maps by using the toggle button on the **My Tracks** map card. This card appears if mobile workers have the location tracking license. Mobile workers can also turn location tracking on and off using the GPS Banner on any map—this is a new feature included with Field Maps.

**Limitations:** Mobile workers cannot currently schedule tracking in Field Maps or use an Apple Watch to toggle tracking on and off. These features are coming soon.

For more information, see [Start tracking](#).

### View tracks in the Field Maps mobile app

Mobile workers can view their tracks in the Field Maps mobile app. In addition to the **My tracks** map, you can view your tracks in any map in Field Maps. To view your tracks in a map, turn on **My Tracks** in **Layers**.

For more information, see [View tracks in the mobile app](#).

## View tracks in the Track Viewer web app

View tracks and create track views for Field Maps using the Track Viewer web app. You can create a new track view or continue using one that already exists. Tracks captured in the Field Maps mobile app will appear in existing track views in your organization.

For more information, see [View tracks in the Track Viewer web app](#).

## Use tracks

Field Maps uses the same location tracking service as Tracker. It has the same schema and can be used to add the tracks layer and last known locations layer to your own map or app.

For more information, see [Use tracks](#).

## Additional information

For more information on location tracking in Field Maps, see [Track mobile workers](#).

## 6. Learn more

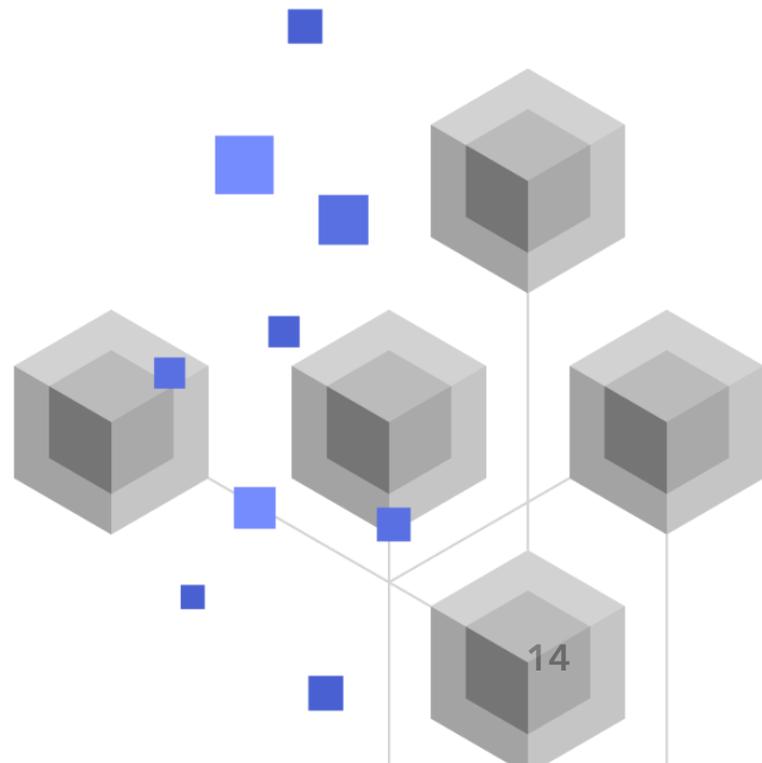
You may have questions as you migrate from ArcGIS Collector, ArcGIS Explorer, and ArcGIS Tracker to ArcGIS Field Maps. The resources in this section will help you troubleshoot and answer questions.

- For a more hands-on learning experience, see the [Try Field Maps Discovery Path](#).
- Join the [ArcGIS Field Maps community on GeoNet](#). You can join discussions with a diverse group of ArcGIS Field Maps users and Esri staff.
- Check out [articles from the ArcGIS Field Maps team](#) on the [ArcGIS Blog](#).
- Browse the [ArcGIS Field Maps Resources page](#). This is your hub for all things ArcGIS Field Maps—Documentation, blogs, learning materials, and more.

## Troubleshooting and support

Looking for assistance with ArcGIS Field Maps? Check out the following:

- The ArcGIS Field Maps [help](#) is searchable by keyword and contains documentation for everything from designing layers and maps to configuring forms and using the app.
- Consult the community on [GeoNet](#) and get specific answers from peers and members of the ArcGIS Field Maps team.
- If you've exhausted the options above and still need assistance, contact [Esri Technical Support](#) for technical issues or [Esri Customer Service](#) for licensing questions.



## 7. FAQ

### How do I get the app?

ArcGIS Field Maps is available on [Google Play](#) for Android devices and the [App Store](#) for iPad and iPhone.

*Note: If you can't access Google Play, see the [technical article](#) about downloading Field Maps from Esri.*

### What Esri field apps can be integrated with Field Maps?

If you have [ArcGIS Navigator](#), you can use it to get directions to features in Field Maps. Integration with [ArcGIS Workforce](#) is coming soon and will allow you to collect data at assignments that are part of your Workforce project.

### Does Field Maps support app links?

Yes—For information on how to use app links for Field Maps and for a list of available parameters, see [Open your map from a link](#).

### Can I use mobile device management (MDM) with Field Maps?

Yes—for information on how to configure your MDM for Field Maps and for a list of available parameters, see [Mobile device management](#).

### What's planned for Field Maps?

A companion web app for Field Maps will be released in Q4 of 2020. It enhances the way you prepare maps for the field with a drag and drop form builder, an improved offline experience, the ability to manage feature templates, and more. Learn more and test the public beta today by joining the [Early Adopter Program](#).

Field Maps will integrate the capabilities of ArcGIS Workforce and ArcGIS Navigator—bringing in assignment management and navigation. For more information on the Field Maps road plan, see [Introducing ArcGIS Field Maps](#).

## Will Field Maps replace Collector, Explorer, and Tracker?

Yes. Field Maps will be the only app you need for using maps in the field. There are no new capabilities planned for Collector, Explorer, and Tracker. Stay up to date on the field apps timeline by joining the conversation on [ArcGIS Blog](#) and [GeoNet](#).